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Notice of Allowability	Application No.	Applicant(s)
	10/783,337	ARAI ET AL.
	Examiner -	Art Unit
	Jasjit S. Vidwan	2182
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>5/9/2006</u> .		
2. The allowed claim(s) is/are <u>1,4-7,9,10,13,14 and 18-20</u> .		,
 3. Acknowledgment is made of a claim for foreign priority unappriority and a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF		
INFORMAL PATENT APPLICATION (PTO-152) which give	• •	ation is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) I including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	
	Paper No./Mail Da	te
 Information Disclosure Statements (PTO-1449 or PTO/SB/09) Paper No./Mail Date 		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		ent of Reasons for Allowance
	9.	

Application/Control Number: 10/783,337 Page 2

Art Unit: 2182

DETAILED ACTION

Claims 1, 4-7, 9, 10, 13, 14 and 18-20 are pending.

As per the Amendment filed on 5/9/2006, claims 2, 3, 8, 11, 12 and 15-17 have been withdrawn from consideration

Response to Arguments

1. Applicant's arguments see Pages 14-19, filed 1, with respect to claims 1, 4-7, 9, 10, 13, 14, 18 and 19 have been fully considered and are persuasive. The rejection of above claims has been withdrawn.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel Stanger on May 23, 2006; changes are due to minor informalities.

The application has been amended as follows:

3. For claim 1, Line 28, replace "than" with - -that- -

Allowable Subject Matter

- 3. Claims 1, 4-7, 9, 10, 13, 14, 18, 19 and 20 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:
- 5. Claims 1, 7, 10, 14 and 19 are allowed because the prior art of record fails to teach a disk array system further comprising of processing offload function module including a command analysis processing section, an operation processing section, a data buffer, an ATA connection interface, an ATA command mapping table and a disk ID information management table which records relationships between FC Ids and ATA connection interface numbers for managing correlation between the FC Ids and the corresponding ATA magnetic disk and thus realizing indirect allocation of the FC Ids. In addition, the prior references fails to teach ATA connection interface number that can be obtained through correlation

Application/Control Number: 10/783,337 Page 3

Art Unit: 2182

with the FC ID from the disk ID information management table and if necessary a storage number for storing data that is obtained by executing the ATA command and issues the ATA command to the ATA magnetic disk via the ATA connection interface with the ATA connection interface number designated in the data buffer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jasjit S. Vidwan whose telephone number is (571) 272-7936. The examiner can normally be reached on 8am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KIM HUYNH can be reached on (571) 272-4147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSV 5/23/06

KIM HUYNH SUPERVISORY PATENT EXAMINER

5/24/06